

HURI HSGD00186

HURI 3 Tank Vent Instruction Manual

For Echo Equipment Models 13130040630, 13130056430, A356000030, A356000031

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the HURI 3 Tank Vent. This component is designed as a replacement part for various Echo outdoor power equipment, ensuring proper fuel system function by allowing air into the fuel tank while preventing fuel leakage. Proper functioning of the tank vent is crucial for the reliable operation of your equipment. A blocked or faulty vent can lead to engine performance issues, including fuel starvation.

2. COMPATIBILITY

The HURI 3 Tank Vent is compatible with a wide range of Echo equipment and replaces several original part numbers. It is also compatible with certain models from other manufacturers.

2.1. Compatible Echo Equipment

- GT and SRM Trimmers
- Pro Attachment Series
- Power Edgers
- BedRefiners
- Power Blowers
- HC, SHC, HCR, and HCA Hedge Trimmers
- PPF, PPFD, PPSR, PPT, and SRS Power Pruners
- Chainsaws
- Cut-Off Saws
- Engine Drills
- Earth and Ice Augers
- Tillers
- Pumps

- Sprayers

2.2. Replaces Part Numbers

- Echo: 1312514930, 13130040630, 356000030, 13130056430, A356000030, A356000031
- J. Thomas: EC-214, PE-393
- Landscaper Express: 56430
- Mow More: MP9607
- NHC: 203-9326
- Oregon: 55-157
- Prime Line: 7-07063
- Rotary: 9607
- Makita: 168396-6

3. INSTALLATION INSTRUCTIONS

Before beginning any installation, ensure the equipment is turned off, cooled down, and disconnected from any power source (e.g., spark plug wire removed for gasoline engines) to prevent accidental startup.

3.1. Safety Precautions

- Always wear appropriate personal protective equipment, such as gloves and eye protection.
- Work in a well-ventilated area.
- Ensure there are no open flames or ignition sources nearby when working with fuel systems.
- Drain the fuel tank if necessary to prevent spills.

3.2. Replacing the Tank Vent

1. **Locate the Existing Vent:** Identify the current fuel tank vent on your equipment. It is typically a small component connected to a hose that extends into the fuel tank.
2. **Remove the Old Vent:** Carefully disconnect the fuel line from the old vent. If the vent is secured, gently remove it from its mounting point. Dispose of the old vent and hose responsibly.
3. **Prepare the New Vent:** The HURI 3 Tank Vent comes with a hose and filter assembly. Ensure the hose is free of kinks and the filter end is clean.
4. **Install the New Vent:**
 - Insert the filter end of the new vent assembly into the fuel tank opening, ensuring it reaches the bottom of the tank without touching the fuel pickup filter.
 - Secure the vent cap or grommet into its designated opening on the fuel tank or housing.
 - Connect the other end of the fuel line to the appropriate port on the carburetor or fuel system, if applicable. For some designs, the vent simply allows air exchange with the atmosphere.
5. **Verify Connections:** Double-check all connections to ensure they are secure and there are no leaks.
6. **Refuel and Test:** Add fuel to the tank and check for any leaks. Start the equipment and observe its operation to ensure proper fuel flow and engine performance.



Image 1: Three HURI tank vents, each consisting of a black fuel line hose connected to a white, cylindrical filter or vent cap. The vents are shown in various orientations, highlighting their design and components.

4. OPERATING PRINCIPLES

The HURI 3 Tank Vent plays a critical role in the fuel system by maintaining proper pressure within the fuel tank. As fuel is consumed by the engine, the vent allows atmospheric air to enter the tank, preventing a vacuum from forming. A vacuum would restrict fuel flow to the carburetor, causing the engine to run poorly or stop entirely.

Conversely, the vent is designed to prevent fuel from spilling out of the tank, especially during movement or when the equipment is not level. It acts as a one-way valve for air intake while resisting fuel egress.

5. MAINTENANCE

Regular inspection and timely replacement are key to ensuring the longevity and proper function of your equipment's fuel system.

- **Periodic Inspection:** Visually inspect the tank vent and its hose for any signs of cracking, hardening, or damage. Ensure the vent is not clogged with debris.
- **Replacement:** If the vent appears damaged, clogged, or if you experience fuel delivery issues that point to a faulty vent (e.g., engine stalling, loss of power), replace it promptly. The lifespan of fuel system components can vary depending on fuel type, usage, and environmental conditions.
- **Cleanliness:** Keep the area around the fuel tank vent clean to prevent dirt and debris from entering the vent or fuel tank.

6. TROUBLESHOOTING

If you encounter issues with your equipment's fuel system, consider the following troubleshooting steps

related to the tank vent:

- **Engine Starving for Fuel / Loss of Power:** If the engine runs for a short period and then dies, or experiences a loss of power, a clogged or faulty tank vent might be preventing air from entering the fuel tank, creating a vacuum.
 - **Solution:** Inspect the vent for blockages. If clogged, attempt to clear it or replace the vent. Temporarily loosening the fuel cap (if safe to do so) can confirm if a vacuum issue is present; if the engine runs better with the cap loose, the vent is likely the problem.
- **Fuel Leaks:** While less common for a vent, a damaged or improperly seated vent could potentially lead to minor fuel seepage.
 - **Solution:** Ensure the vent is correctly installed and the hose connections are tight. Replace if the vent itself is cracked or damaged.
- **Difficulty Starting:** A severely restricted vent can sometimes contribute to starting difficulties by affecting fuel pressure.
 - **Solution:** Check and replace the vent if other starting system components (spark plug, carburetor, fuel filter) are confirmed to be in good working order.

7. SPECIFICATIONS

Brand	HURI
Model Number	HSGD00186
Fit Type	Universal
Material	Plastic
Exterior Finish	Plastic
Fuel Type	Gasoline
Item Weight	1.27 ounces
Package Dimensions	2.8 x 2.76 x 1.02 inches
Product Grade	Replacement Part

8. WARRANTY AND SUPPORT

As a replacement part, specific warranty details may vary. For information regarding warranty coverage, returns, or technical support, please contact the seller or retailer from whom the HURI 3 Tank Vent was purchased. Keep your proof of purchase for any warranty claims.